

Product Datasheet

Anti-JMJD2A Antibody FL594 Conjugate



Overview

Catalog #	75-189-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N154/32
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Human
Immunogen	Fusion protein amino acids 568-674 of human JMJD2A (accession number O75164) produced recombinantly in E. Coli
Molecular Weight	120 kDa
Cite this Antibody	Antibodies Inc Cat# 75-189-FL594, RRID: AB_2939702

Details

Target Description	Lysine Demethylase 4A is encoded by the gene KDM4A. KDM4A is a member of the JHDM3 histone demethylase family. KDM4A is a nuclear protein that contains a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. KDM4A functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. KDM4A is expressed in several organs with the highest expression in the lungs. Diseases associated with KDM4A include Attention Deficit-Hyperactivity Disorder.
Specificity	Does not cross-react with JMJD2C
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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